Cassava seed-bulking farms

Quality cassava cuttings close to the fields

The practice of seed-bulking farms for cassava provides quality planting material directly to smallholder farmers, situated near their fields. This facilitates access to improved varieties and reduces the cost of transporting cuttings, leading to increased profitability.

This technology is TAAT1 validated.

8·7 Scaling readiness: idea maturity: 8/9; level of use: 7/9

20 ha of cassava farm

from cutting yield per ha each 16 months

IP

Open source / open access

Problem

- The distribution of cassava stem cuttings is problematic as they rapidly lose their sprouting vigor when stored.
- Their bulk and weight drive up transport costs, limiting the supply of improved cassava planting material.
- Smallholder farmers often rely on seed companies with limited geographical coverage, restricting their access to improved cassava varieties.

Solution

- Seed-bulking farms provide high-quality, disease-free cassava stem cuttings, improving access to superior cassava varieties.
- Reduced transport times and decentralized production enhance planting material survival.
- This approach supports community-based businesses, boosting incomes for farmers and processors.

Key points to design your business plan

The Cassava seed bulking farms technology may be of interest to planting material Multiplier, and users (cassava farmers, aggregators).

Key activities for efficient multiplication include:

- Identifying suitable cassava varieties, providing training on seed-bulking practices, and optimizing production and distribution.
- Compliance with national regulations and obtaining a license are necessary steps.
- Profitability estimation involves considering initial investment, operational expenses, and revenue from selling planting materials.
- Associating with disease-resistant and vitamin-fortified cassava varieties is recommended for optimization.

Gender assessment 4

Climate impact 7

International Institute of Tropical Agriculture (IITA)
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Technology from

ProPAS

Commodities

Cassava

Sustainable Development Goals

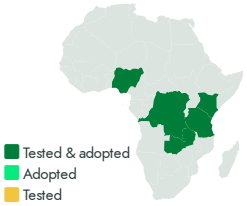
Categories

Production, Practices, Seed system

Best used with

- Disease resistant cassava varieties ›
- Golden cassava varieties (Vitamin A fortified) ›
- High Starch & Dry Matter Cassava Varieties ›

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.